| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|---|---------------------|---------|------------------|
| S1 | 2 | ("205"/\$.ccls. "204"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bonding with pad) and passivation near5 layer and bump and \$5resist and wafer and (hole opening via) and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 11:48 |
| S2 | 48 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bonding with pad) and passivation near5 layer and bump and \$5resist and wafer and (hole opening via) and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 11:36 |
| S3 | 5 | ("205"/\$.ccls. "204"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and passivation near5 layer and bump and \$5resist and wafer and (hole opening via) and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 11:53 |
| S4 | 13 | ("205"/\$.ccls. "204"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and wafer and (hole opening via) and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 12:00 |
| S5 | 4 | ("205"/\$.ccls. "204"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic pulse period\$4) near5 (current step)) ((positive\$3 negative\$2) near5 (pulse step))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:40 |
| S6 | 120 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic pulse period\$4) near5 (current step)) ((positive\$3 negative\$2) near5 (pulse step))) not \$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:38 |

| S7 | 108 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic pulse period\$4) near5 (current step))) not S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:56 |
|-----|-----|---|---|----|----|------------------|
| S8 | 0 | ("205"/104.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:41 |
| S9 | 1 | ("205"/104.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:41 |
| S10 | 7 | ("205"/104.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:44 |
| S11 | 3 | ("205"/103.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:46 |
| S12 | 5 | ("205"/102.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:48 |
| S13 | 16 | ("205"/102.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:50 |
| S14 | 23 | ("205"/104.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:56 |

| S15 | 12 | ("205"/105.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:42 |
|-----|-----|---|---|----|----|------------------|
| S16 | 9 | ("2951978" "4906346" "5352350" "5443707" "5958207" "5985126" "6074544" "6159354").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/16 13:58 |
| S17 | 4 | ("6409903").URPN. | USPAT | OR | ON | 2006/08/16 13:59 |
| S18 | 237 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with ((increas\$3 with current)) and ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:43 |
| S19 | 10 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (increas\$3 with (current near5 step)) and ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:44 |
| S20 | 5 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (increas\$3 with (current near5 step)) and ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:47 |
| S21 | 7 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with (current near5 step)) and ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:15 |
| S22 | 7 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 near15 (current near5 step)) and ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:50 |
| S23 | 15 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 near15 (current near5 step)) and (interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:57 |

| COAT | 120 | (1120511/41-) | HC DCDHD | OD | ON | 2006/00/16 15:44 |
|------|-----|---|---|----|------|------------------|
| S24 | 129 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 near15 (current near5 step)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:44 |
| S25 | 8 | ("3510410" "3930966" "4517059" "4571287" "4798656").PN. OR ("6113770"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/16 15:02 |
| S26 | 147 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with(current near5 step)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:45 |
| S27 | 147 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with (current near5 step)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:45 |
| S28 | 18 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with (current near5 step)) not S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:50 |
| S29 | 501 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with (current near5 step)) not S27 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:08 |
| S30 | 53 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (increas\$3 with (current near5 step)) not S27 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:51 |
| S31 | 39 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic pulse) near5 (current))) not \$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2006/08/16 16:03 |

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| 532 | 7 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic) near5 (current))) not \$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:05 |
| S33 | 8 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and \$5resist and (hole opening via) and (((revers\$4 forward electrodeposition cathodic) near5 (current))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:06 |
| S34 | 22 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) with (bond\$3 with pad) and (((revers\$4 forward cathodic) near5 (current))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:06 |
| S35 | 100 | (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (increas\$3 with (current near5 step)) and ((bond\$3 with pad) bump interconnect) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:09 |
| S36 | 77 | ("205"/\$.ccls.) and (electrolysis electrolytic electrochemic\$4 plating electrodeposit\$5 electroplat\$5) and (pulse with (current)) and ((bond\$3 with pad) bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 16:16 |